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NPIC/TSSG/DED-1548-69
26 March 1969

MEMORANDUM FOR THE RECORD

25X1 SUBJECT: [redacted] Capabilities

25X1 1. In recent visits and discussions with representatives of [redacted] a division of [redacted] several products have been mentioned which might be of use to NPIC or which might be the basis for other future developments. These products include a rear projection viewer, a dry silver printer and processor, an automatic dry silver printer processor and a film slack box used in a special viewing station, and a 1540 light table.

2. The rear projection viewer is adequately described in the attached material. It must be noted that the rear projection viewer is available with 5 and 10X interchangeable lenses or with 5X lens with image rotation. The dry silver printer and processor are also described in the attached literature.

3. The specialized viewing station is used in conjunction with a Real-Time IR receiver processor built by [redacted] for the Air Force. 25X1 The film generated by the processor goes into and out of the first slack box, across the first viewing stage, into and out of the second slack box, across the second viewing stage, into and out of the third slack box, into the automatic dry silver printer processor and onto the take-up reel. Each slack box consists of two capstan drive rollers (with associated idler rollers) and a bin lined with perforated stainless steel (capacity - 100 ft. of film). The slack boxes allow the two interpreters to stop, start and scan film independently of each other. It is claimed that film damage due to the slack boxes is very slight. The perforated steel allows dirt, which would be the biggest cause of film damage, to pass on through to the bottom of the shell. The capstan rollers are under independent control, one controlling the film entering the box, the other controlling the exiting film. Interlocks prevent excess film from being stored in the box. These slack boxes appear to be very efficient.

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4. If in the process of viewing the film, the interpreters wish to make contact prints, the interpreter need only push a button when the selected imagery is at the end of the viewing table. The button acutates a device which notches the edge of the film. When the notched film reaches the printer-processor, a sensor detects the notch; the film is positioned over the platen; the dry silver copy film is advanced; the copy is exposed, processed, cut and expelled. The original film may be released after the exposure is made or it can be held in the platen while additional copies are made. The dry silver prints are adequate for rush briefings or work prints.

5. The 1540 split format light table is being designed specifically for NPIC and other strategic reconnaissance users. It is very similar 25X1 to the [redacted] 1540 light table. Since the table is still in the design phase, only design goals were stated and these generally met NPIC's development objectives. The table will be delivered to NPIC for evaluation toward the end of April.

25X1 6. [redacted] is now under the guidance of [redacted] 25X1
25X1 President and [redacted] Executive Vice-President. The company appears to be financially stable and technically competent. Inquiries
25X1 about [redacted] products may be directed through [redacted] 25X1
who has knowledge of NPIC.

[redacted] 25X1
TSSG/DED/R&DBr-I

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